

Math 44 Syllabus: Winter 2023

MATH 44 Section 01Z (35010) Online	
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Instructor: Richard Lopez

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Materials:

- Textbook: *The Heart of Mathematics*, 4th Edition, by Burger and Starbird, Pub: Wiley
 - A workbook or binder of paper for note taking. **This is very important.**
 - The Adobe Scan app, a web cam, and internet access.
 - A graphing calculator is highly recommended (TI 83 plus, TI 84 or TI 86). However, you may also use the online graphing calculator Desmos at <https://www.desmos.com/calculator>
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Attendance:

- **Students are responsible for knowing and understanding the rules of attendance. ANY violation of these rules is grounds for being dropped from the class.**
 - Regular, punctual attendance at all class meetings online is expected of each student. YOU CANNOT EXPECT TO DO WELL IN THE CLASS IF YOU FAIL TO ATTEND LECTURES.
 - **There are NO excused absences. If a student is not present in class, he or she is considered ABSENT regardless of the reason and will be marked absent.**
 - **Students absent anytime during the first week of class may be dropped from the class for absenteeism and space will be made for students who wish to add the class.**
 - **A student may be dropped if absent the equivalent of three days of classes during the quarter.** However, if a student stops coming to class after starting and wishes to drop, the instructor will not automatically drop the student. Any student wishing to drop **must drop themselves.**
 - **Being late to class or leaving before class is dismissed by the instructor will count as half an absence.**
 - A student is considered **late** if arriving past the start of class time. However, a student is considered **completely absent** if arriving more than **15 minutes** after the start of class or leaving **15 minutes** before the end of class.
 - Again, YOU MUST DROP YOURSELF FROM THE CLASS IF YOU DECIDE YOU CAN NOT TAKE THE CLASS. Otherwise, your grade will be F.
 - In certain instances, the instructor or counselor may drop a student for violation of any policy stated in this syllabus.
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Homework: Homework is assigned for every section. You will learn the most by consistently doing the homework. If you consistently fall behind and do not complete homework assignments or do not show all work, you can be **dropped** from the course. **DOING HOMEWORK REGULARLY IS THE KEY TO SUCCESS IN THE CLASS. ALL HOMEWORK ASSIGNMENTS is expected to be done by the student. However, homework will not be collected. Instead, some random homework assignments will be collected for extra credit.**

Quizzes: You will have 5 quizzes. See calendar for dates. Quizzes are timed and usually you will be given 90 minutes to complete and upload. **If you miss a quiz or are late starting a quiz, you will not be given extra time to make it up.** The quizzes are designed to give you feedback on how you are doing on the homework and for practice on upcoming exams.

Activities & Reports During class time, you may be given either individual or group problems to do for practice. These problems are **required** and your participation **is required** for this class. Failure to participate in such activities may result in your being dropped from the class. You are also required to do **two** reports for the class. One is a mathematical autobiography and the other is an oral report on a contemporary mathematician.

Exams & Final Exam: Three (3) midterm tests are given worth 100 points. One final exam (cumulative) will be given worth 150 points. Make-up exams are not given for **any reason**. Notes are not allowed for tests, quizzes and the final exam unless otherwise stated. **Final exam date: Thursday, March 30th, 4:00 to 6:00 pm.**

Assignments and points are as follows:

- 3 midterms @ 100 points each = 300 points
 - 1 final exam @ 150 points = 150 points
 - 5 quizzes @ 20 points each = 100 points
 - 2 reports @ 25 points each = 50 points
 - 1 presentation @ 10 points = 10 points
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Grades are assigned by computing the percentage of the total possible points according to the following breakdown:

[97,100] : "A+" [93,97) : "A" [90,93) : "A-" [87,90) : "B+" [83,87) : "B"
[80,83) : "B-" [77,80) : "C+" [70,77) : "C" [60,70) : "D" Below 60% : "F"

- **Good note taking will be essential for this class. You will be required to take notes of lectures and to use these notes when working on activities. Getting out your notes will be the first thing you do in when working in groups.**
- Anyone caught cheating on an exam or quiz will receive an automatic 0 and be reported to the Dean of the PSME Division. You can be expelled from the class (and possibly from De Anza College) with a grade of F if you are caught cheating. Please read the general classroom procedures below for more information. It is your responsibility to know these procedures are to follow them at all times.
- If you wish to drop the course, it is your responsibility to do so. **Under NO circumstances will the instructor add, drop or give students a “no show” after the appropriate deadline has passed.**
- **Disruptions during class will not be tolerated. Disruptions include, but are not limited to, talking when the instructor is lecturing, entering and leaving the zoom class during lecture, etc. If a student disrupts the class more than 2 times during the quarter, the instructor reserves the right to DROP the student from the course.**

General Testing Procedures and Rules

Communication of any kind during a test or quiz between students is not allowed and is considered cheating. This includes any verbal, written or other communication. Cell phone usage or usage of any electronic device (besides a calculator) during a test or quiz **is considered cheating**. All tests and quizzes are to be the work of individual students only, unless stated otherwise. Sharing or comparing answers of any kind is considered cheating. If you have a question during a test or quiz, you are **only** allowed to talk the instructor. If you are observed cheating, you will receive a grade of

0 on the test or quiz and be reported to De Anza Administration. **A grade of 0 given for cheating on any test or quiz cannot be made up, dropped, or replaced by any other score and will be factored into the student's final grade without exception.** . If a student is returned a graded test or quiz and the student changes his or her incorrect answers in order to receive more points, the student is considered cheating and such an act will carry the same consequences as those mentioned above.

Monday	Tuesday	Wednesday	Thursday	Friday
9-Jan	10-Jan	11-Jan	12-Jan	13-Jan
	Chapter 1		Section 2.1	
16-Jan	17-Jan	18-Jan	19-Jan	20-Jan
	Q1 Section 2.2		Section 2.3	
23-Jan	24-Jan	25-Jan	26-Jan	27-Jan
	Q2 Section 2.4		Section 2.5	
30-Jan	31-Jan	1-Feb	2-Feb	3-Feb
	Section 4.1		T1 Section 4.2	
6-Feb	7-Feb	8-Feb	9-Feb	10-Feb
	Section 4.3		Section 4.4	
13-Feb	14-Feb	15-Feb	16-Feb	17-Feb
	Q3 Section 4.5		Section 5.1	
20-Feb	21-Feb	22-Feb	23-Feb	24-Feb
	T2 Section 5.2		Section 5.3	
27-Feb	28-Feb	1-Mar	2-Mar	3-Mar
	Section 5.4		Q4 Section 6.1	
6-Mar	7-Mar	8-Mar	9-Mar	10-Mar
	Section 6.2		Section 6.4	
13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
	Test #3		Section 7.1 & 7.2	
20-Mar	21-Mar	22-Mar	23-Mar	24-Mar
	Q5 Section 7.3		Section 7.4	
27-Mar	28-Mar	29-Mar	30-Mar	31-Mar
			Final Exam	

Student Learning Outcome(s):

- *Analyze contemporary mathematical problems, apply problem solving techniques using a variety of methods, and communicate the results mathematically through a variety of forms.
- *Demonstrate and correctly apply basic mathematical techniques in at least five of the following ten areas: symmetry, graph theory, fractals and chaos theory, topology, number theory, geometry, combinatorics, methods of social choice, probability and statistics, economics and personal finance.
- *Examine and evaluate myths and realities about the contemporary discipline of mathematics and its practitioners.

Office Hours:

M,W	10:30 AM	11:30 AM	In-Person	S44a
T,TH	03:00 PM	04:00 PM	Zoom	